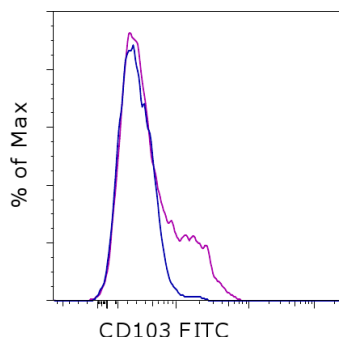


Anti-Human CD103 (Integrin alpha E) FITC

Catalog Number: 11-1038

Also known as: Integrin α E, ITGAE

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of 3-day PHA-stimulated normal human peripheral blood cells with Mouse IgG1 kappa Isotype Control FITC (cat. 11-4714) (blue histogram) or Anti-Human CD103 (Integrin alpha E) FITC (purple histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Human CD103 (Integrin alpha E) FITC

 **Catalog Number:** 11-1038

Clone: B-Ly7

Concentration: 5 μ L (2 μ g)/test

Host/Isotype: Mouse IgG1, kappa

HLDA Workshop: IV B58 and V-A129

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.

Batch Code: Refer to vial

Use By: Refer to vial



Description

The B-Ly7 monoclonal antibody reacts with human CD103, the α _E integrin. CD103 non-covalently associates with integrin β ₇. CD103 is expressed mainly on intraepithelial lymphocytes and a small subset of peripheral lymphocytes. CD103 is also expressed by hairy cell leukemia (HCL) and by some chronic B cell lymphocytic leukemias. *In vitro* stimulation of human T cells with mitogens induces upregulation of CD103. Epithelial cell antigen, E-cadherin, binds to CD103 and mediates homing of lymphocytes to the intestinal epithelium.

Applications Reported

B-Ly7 has been reported for use in flow cytometric analysis.

Applications Tested

This B-Ly7 antibody has been pre-titrated and tested by flow cytometric analysis of 2-3 day PHA-activated human peripheral blood cells. This can be used at 5 μ L (2 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

References

de Harven E, Soligo D, Christensen H. 1995. Immunogold labeling for the diagnosis of leukemia by transmission and scanning electron microscopy. *Scanning Microsc.* 9:1191-1199

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Visser L, Dabbagh L, Poppema S. 1992. Reactivity of monoclonal antibody B-ly7 with a subset of activated T cells and T-cell lymphomas. *Hematol Pathol.* 6:37-42

Thaler J, Dietze O, Faber V, Greil R, Gastl G, Denz H, Ho AD, Huber H. 1990. Monoclonal antibody B-ly7: a sensitive marker for detection of minimal residual disease in hairy cell leukemia. *Leukemia.* 4:170-6

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Schwartz R, Dienemann D, Kruschwitz M, Fritsche G, Stein H. 1990. Specificities of monoclonal antibodies B-ly7 and HML-1 are identical. Blood. 75:320-1.

Related Products

11-4714 Mouse IgG1 K Isotype Control FITC (P3.6.2.8.1)